CHCS II – Supporting Future Military Healthcare

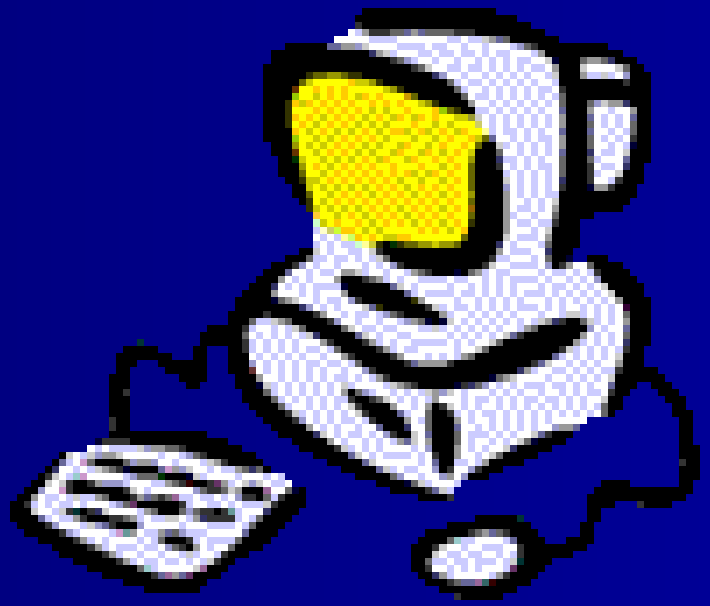
Joint Military Session

20 October 2005

CHCS II

COMPOSITE HEALTH CARE SYSTEM II

The Military Computer-Based Patient Record



CHCS II PROS & CONs

PROS

- Improves mission readiness for our nation's war fighters
- Generates/maintain a comprehensive, life-long, electronic medical record for each military member, dependent, retired
- 24 hour access to patient data
- Streamlines the health accounting process

CONS

- Initially designed for providers
- Computer skills vary
- Steep learning curve for providers
- Access to care temporarily affected during training

CHCS II Functionality

- Provides 24 X 7 access to complete and legible medical and dental patient records at the point of care
  - *No more lost records!*

CHCS II Functionality (cont.)

- Documents patient encounter
  - Use of health history and physical templates
  - Order entry / summary of care
  - Collects structured data as by-product of clinical workflow
  - Populates standard database
  - Enables viewing and tracking of empanelled patient information

CHCS II Functionality (cont.)

- Promotes team approach to health care delivery (enhances the Services' optimization efforts)
  - Builds single encounter document out of team effort
- Supports health care delivery and management
  - Standardizes data elements using a robust, industry standard health data dictionary
  - Standardizes and automatically codes encounters

CHCS II Functionality (cont.)

- Provides reminders for prevention measures
- Improves quality of care

CHCS II Functionality (cont.)

- Tracks medical needs of population
- Predicts future appointment needs
  - Future PAP smear needs
  - Mammogram demand
  - Dental recall exams
- Predicts and manages resource needs

CHCS II Functionality (cont.)

- Tool for individual and population health improvement
  - Supports Force Health Protection, Population Health Management, Personnel Readiness, and Medical Surveillance
- Tool for health care resource management
  - Provides data for efficient management of health care delivery within the MHS
- Provides clinical functionality for Theater Medical Information Program (CHCS II-T)

CHCS II DEMO

Problems Impacting on HIM

- Does not recognize free text information **(technology for natural language processing not mature yet..this is planned for the future)**
- Cumbersome to use **(It takes time to change from a paper workflow to an automated workflow. Some sites have been very successful using CHCS II. Extra time spent by providers in completion of encounters)**
- Promotes use of short-cuts to complete documentation **(Use of > 50 % of time spent in counseling)**
- Inability to change diagnostic/procedural text (Diagnosis/procedure template management, Ex: a cough)
- Inability to delete information entered on wrong patient (Family members)
- No coding edits built into system **(Injury diagnoses can be place on encounter without cause of injury code)**

Problems Impacting on HIM

- Inability to book patient appointments at times (Walk-in patients)
- Inability to merge information on patients (Newly married patients, father/son)
- Inability to correct information (allergy)
- Blips in connectivity (Can impact on ADM compliance)
- Cancelled appointments (Cannot be deleted from ADM error report)

Solutions

- Master Problem List **(CHCS II contains a Problems Module which displays a problems list, Healthcare maintenance, Dental Readiness classification, Historical procedures, and Family History information for the selected patient – Requires dates. Also DD 2766 completion process not yet working)**
- AIMS Forms (See handout)
- Education of Providers Pointers